

What is claimed is:

1. A composition comprising a mixture of dialkoxo and trialkoxo
hydroxyalkylenecarbamoylalkylene-alkoxysilanes in which the molar ratio of dialkoxo to
5 triethoxo hydroxyalkylenecarbamoylalkylene-alkoxysilane is in the range from about 1:3 to
about 3:1.

2. The composition of claim 1 comprising polyols and isocyanates that can thermally
react at temperatures below 200°C.

3. The composition of claim 1 comprising less than 10 weight % of nonreactive
components.

4. The composition of claim 3 comprising less than 5 weight % of nonreactive
15 components.

5. The composition of claim 4 containing essentially no solvent.

6. The composition of claim 4 having a setting time of about 2 to about 20 minutes.

7. The composition of claim 1 comprising a prepolymer that is formed from reacting a
mixture comprising diisocyanates and diols in a diisocyanate : diol molar ratio ranging
between about 3:1 to about 5:1.

8. The composition of claim 7 comprising a prepolymer that is formed by reacting a
mixture comprising diisocyanates and diols in a diisocyanate : diol molar ratio of about 4:1.

9. The composition of claim 7 wherein the prepolymer is storage stable at room
temperature such that its viscosity changes by less than 10% over a period of 10 days.

10. The composition of claim 1 wherein the alkoxy groups in the di and trialkoxy adhesion promoters are independently selected from the group consisting of ethoxy, propoxy, butoxy, pentoxy, and hexoxy.

5

11. The composition of claim 1 wherein the composition is shear-thinning.

12. The composition of claim 1 wherein the adhesion promoters comprise 2-hydroxy-1-methylethyl N-[3-(1,1-diethoxy-1-methylsilyl)propyl]carbamate (HPDEMESC) and 2-hydroxy-

10

1-methylethyl N-[3-(1,1,1-triethoxy-1-methylsilyl)propyl]carbamate (HPTESC).